

9/30/2010

CENTRAL VALLEY PROJECT
SCHEDULE OF IRRIGATION CAPITAL AND PROJECT USE ENERGY COSTS BY COMPONENT
AS OF SEPTEMBER 30, 2009
2011 IRRIGATION WATER RATES

		A	B	C	D	E	F
		Allocation of Project Use Energy Capital Costs					
Component/Facility		Irrigation Capital Costs at 09/30/09	Historical & Projected (1981-2030) KWH Per AF 2/	Ratio of Total	CVP PUE Capital Costs as of 9/30/09		Total Irrigation Capital Costs at 09/30/09 (A+D+E)
					(BOR)	(DOE)	
					2/	2/	
Ref		<Table 20>	<Sch A-7 & CVO>	(B/Total B)	(C*Table 20)	(C*Table 20)	
Storage 1/, 6/							
San Felipe Unit Contractors		\$4,026,989					\$4,026,989
All Other Contractors		365,709,199	10,248,424,798	0.204603	\$20,505,655	\$9,541,926	395,756,781
Total Storage		\$369,736,188	10,248,424,798	0.204603	\$20,505,655	\$9,541,926	\$399,783,769
Conveyance							
Contra Costa WD	5/						
All Other Contractors	3/	405,489,818					405,489,818
Total Conveyance		\$405,489,818					\$405,489,818
Conveyance Pumping							
Corning Pumping Plant		2,529,063	93,581,355	0.001868	187,243	87,130	2,803,436
Dos Amigos Pumping Plant		13,088,849	6,696,505,451	0.133691	13,398,765	6,234,867	32,722,480
O'Neill Pump-Generator Plant		11,405,857	2,911,877,518	0.058134	5,826,257	2,711,141	19,943,255
Jones Pumping Plant		22,090,951	22,901,308,712	0.457210	45,822,294	21,322,555	89,235,800
Total Conveyance Pumping		\$49,114,720	32,603,273,036	0.650903	\$65,234,559	\$30,355,692	\$144,704,971
Direct Pumping 6/							
Bella Vista WD (Wintu PP)		846,731	216,610,790	0.004324	433,408	201,678	1,481,817
Colusa County WD Canalside Relifts		12,635,431	287,110,340	0.005732	574,467	267,318	13,477,216
Colusa Service Area - Cortina		141,792					141,792
Colusa Service Area - Davis		180,305					180,305
Contra Costa Pumping Plants							
Corning WD Canalside Relifts		2,779,835	145,197,270	0.002899	290,519	135,188	3,205,542
Dunnigan WD Canalside Relifts		1,700,384	3,306,276	0.000066	6,615	3,078	1,710,077
Kanawha WD Canalside Relifts		2,753,824	38,228,658	0.000763	76,490	35,593	2,865,907
Orland-Artois WD Canalside Relifts		7,496,789	84,145,928	0.001680	168,364	78,345	7,743,499
Panoche WD Relifts		16,607	2,312,061	0.000046	4,626	2,153	23,386
Proberta WD Canalside Relifts		172,158	6,904,442	0.000138	13,815	6,428	192,402
San Benito County WD:							
Pacheco Pumping Plant	4/		179,561,563	0.003585	359,277	167,183	526,460
Gianelli, William R. Pump-Generator Plant	1/	163,407	270,794,556	0.005406	541,822	252,127	957,356
San Luis WD Canalside Relifts & Turnouts		8,370,670	1,148,303,768	0.022925	2,297,594	1,069,143	11,737,407
Santa Clara Valley WD:							
Coyote Pumping Plant	4/		40,368,504	0.000806	80,772	37,586	118,357
Pacheco Pumping Plant	4/		140,255,603	0.002800	280,632	130,587	411,218
Gianelli, William R. Pump-Generator Plant	1/	127,637	211,517,727	0.004223	423,217	196,936	747,791
State-Delta Pumping Plant (Cross Valley Canal)			781,414,680	0.015600	1,563,501	727,546	2,291,047

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Component/Facility	Irrigation Capital Costs at 09/30/09	Historical & Projected (1981-2030) KWH Per AF	Ratio of Total	CVP PUE Capital Costs as of 9/30/09		Total Irrigation Capital Costs at 09/30/09
				(BOR)	(DOE)	
				2/	2/	
Ref	<Table 20>	<Sch A-7 & CVO>	(B/Total B)	(C*Table 20)	(C*Table 20)	(A+D+E)
Westlands WD:						
Pleasant Valley Canalside Relifts	\$1,343,092	9,984,249	0.000199	\$19,977	\$9,296	\$1,372,365
Pleasant Valley Pumping Plant	9,917,094	781,333,848	0.015599	1,563,339	727,471	12,207,903
Westlands WD Canalside Relifts	36,350,278	2,848,014,167	0.056859	5,698,475	2,651,680	44,700,433
Westside WD Canalside Relifts	7,002,377	42,197,022	0.000842	84,430	39,288	7,126,095
Total Direct Pumping	\$91,998,411	7,237,561,452	0.144493	\$14,481,341	\$6,738,624	\$113,218,376
San Luis Drain	52,381,552					\$52,381,552
Grand Total	\$968,720,690	50,089,259,286	1.000000	\$100,221,556	\$46,636,241	\$1,115,578,487

Footnotes:

1/ Allocation of Storage Costs:

	San Felipe Unit				
	Suballocation of Storage Costs (Dir. Pump. Appl. to SL/PG)				All Other Storage Contractors
	Storage	San Benito	Santa Clara		
Historical and Projected 1981-2030 Irrigation Del. (Sch A-7)	1,521,490	854,242	667,248	128,860,244	130,381,734
Ratios	0.011670	0.561451	0.438549	0.988330	1.000000
Allocated Gianelli, WR Pump-Generator Costs	\$291,045	\$163,407	\$127,637	\$24,649,580	\$24,940,625
Allocated Other Storage Costs	\$4,026,989			\$341,059,619	\$345,086,608
Total	\$4,318,033	\$163,407	\$127,637	\$365,709,199	\$370,027,233

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Footnotes: (continued)

- 2/ These costs represent the total Pumping Project Use Power costs allocated to Irrigation for the CVP Bureau of Reclamation (BOR) and Western Area Power Administration. The costs are allocated to components based on the ratios identified above under "Allocation of Project Use Energy Costs". They are then suballocated to individual facilities based on the historical and projected 1981-2030 KWHs/AF.
- 3/ Glide WD does not have a distribution system, therefore the cost of the Relift Pumping Plant is included in conveyance for ratesetting purposes.
- 4/ Santa Clara Valley WD and San Benito County WD costs are recovered through a repayment contract.
- 5/ Contra Costa Water District's conveyance facility costs are recovered through a repayment contract.
- 6/ The Storage, Conveyance, and Direct Pumping components per Table 20 - Capital Costs for 2011 Water Service Rates Central Valley Project, California as of September 30, those shown in Ratesetting Schedule A-5. The differences are attributed to (1) the direct pumping costs of the Gianelli WR Pump-Generator allocated to San Felipe Unit contractors (see Footnote 1/) and (2) the treatment of Glide WD Relift Pumping Plant costs (see Footnote 3/).

Reconciliation of Capital Costs for 2011 Water Service Rates CVP, as of September 30, 2009 - Table 20 with Ratesetting Schedule A-5:

Total Capital Costs @ 9/30/09 Per Schedule A-5		\$1,115,578,487	
Less: Storage		\$370,027,233	6/
Conveyance (In-Basin)	405,690,123		6/
Less Contra Costa WD	<u>200,305</u>	\$405,489,818	
Conveyance Pumping		\$49,114,720	
Direct Pumping (In-Basin)		\$91,707,367	6/
San Luis Drain		\$52,381,552	
Project Use Energy (BOR)		\$100,221,556	
Project Use Energy (DOE)		<u>\$46,636,241</u>	
Difference		0	

Sources:

Table 20 - Capital Costs for 2011 Water Service Rates Central Valley Project, California As of September 30, 2009
Financial Statement for Period Ending September 30, 2009 Central Valley Project, California - Consolidated
CVO Schedule of KWH's per acre foot